

L Number	Hits	Search Text	DB	Time stamp
1	377	gain with reduce adj noise	USPAT;	2003/10/30
			US-PGPUB; EPO; JPO;	11:30
			DERWENT;	
	2042452	gain with reduce near\$3 noise	IBM_TDB USPAT;	2003/10/30
2	2042453	gain with reduce hear; s hoise	US-PGPUB;	11:36
			EPO; JPO;	
			DERWENT; IBM TDB	
3	1987741	gain with reduce near\$2 noise	USPĀT;	2003/10/30
			US-PGPUB; EPO; JPO;	11:31
			DERWENT;	
4	57397	   (gain with reduce near\$2 noise) and pixel	IBM_TDB USPAT;	2003/10/30
3	3,337	(gain with reduce heary merce, and princi	US-PGPUB;	11:36
			EPO; JPO; DERWENT;	
			IBM_TDB	
5	50637	(gain with reduce near\$2 noise) and	USPAT; US-PGPUB;	2003/10/30 11:32
		pixels	EPO; JPO;	11.52
 			DERWENT;	
6	38	((gain with reduce near\$2 noise) and	IBM_TDB USPAT;	2003/10/30
		pixels) and initial adj gain	US-PGPUB;	11:37
			EPO; JPO; DERWENT;	
			IBM_TDB	2002/10/20
7	38	(((gain with reduce near\$2 noise) and pixels) and initial adj gain) and gain\$2	USPAT; US-PGPUB;	2003/10/30 11:35
		prices, and intotal and guent, and guent	EPO; JPO;	
			DERWENT; IBM TDB	
8	912	gain with reduce near3 noise	USPAT;	2003/10/30
			US-PGPUB; EPO; JPO;	12:18
			DERWENT;	
	761	gain with reduce near2 noise	IBM_TDB USPAT;	2003/10/30
9	/61	gain with reduce hearz noise	US-PGPUB;	11:36
			EPO; JPO; DERWENT;	
			IBM_TDB	
10	54	(gain with reduce near2 noise) and pixel	USPAT; US-PGPUB;	2003/10/30
	]		EPO; JPO;	
			DERWENT; IBM_TDB	
11	57	(gain with reduce near2 noise) and	USPAT;	2003/10/30
		pixel\$2	US-PGPUB; EPO; JPO;	11:53
			DERWENT;	
1.2		//wain with modules many mains) and	IBM_TDB USPAT;	2003/10/30
13	57	((gain with reduce near2 noise) and pixel\$2) and gain\$2	US-PGPUB;	11:53
			EPO; JPO; DERWENT;	
			IBM_TDB	
14	129		USPAT; US-PGPUB;	2003/10/30
		(preamp or preamplifier or pre-amp or pre-amplifier or pre adj amplifier)	EPO; JPO;	12.13
			DERWENT;	
15	42	((gain with reduce near3 noise) and	IBM_TDB USPAT;	2003/10/30
	'-	(preamp or preamplifier or pre-amp or	US-PGPUB;	12:19
		pre-amplifier or pre adj amplifier)) and memory	EPO; JPO; DERWENT;	
			IBM TDB	

10/30/03 1:15:26 PM Page 1 Search History

16	<u> </u>	(((gain with reduce near3 noise) and	USPAT;	2003/10/30
16	3	(((gain with reduce hears holse) and (preamp or preamplifier or pre-amp or	US-PGPUB;	12:20
		pre-amplifier or pre adj amplifier)) and	EPO; JPO;	
		memory) and pixel\$2	DERWENT;	
			IBM_TDB	
_	10	"5698844"	USPAT;	2003/10/30
'			US-PGPUB;	11:30
			EPO; JPO; DERWENT;	
			IBM TDB	
_	0	("56988434").PN.	USPAT;	2003/03/31
_	Ĭ	( 30300431 / .2	US-PGPUB;	17:45
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	2003/04/01
-	2	("5698844").PN.	USPAT; US-PGPUB;	13:13
			EPO; JPO;	13.13
			DERWENT;	
			IBM TDB	
-	33342	conductance	USPĀT;	2003/03/31
			US-PGPUB;	17:57
			EPO; JPO;	
			DERWENT; IBM TDB	
	877	conductance and (image adj sensor or	USPAT;	2003/03/31
-	8//	image-sensor or imager or ccd)	US-PGPUB;	17:58
		Image School of Image2 of God,	EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	326	(conductance and (image adj sensor or	USPAT;	2003/03/31
•		image-sensor or imager or ccd)) and	US-PGPUB; EPO; JPO;	19:05
		memory	DERWENT;	
			IBM TDB	
_	200	((conductance and (image adj sensor or	USPAT;	2003/03/31
1		image-sensor or imager or ccd)) and	US-PGPUB;	17:58
		memory) and transfer	EPO; JPO;	
			DERWENT;	
	104	(((conductance and (image adj sensor or	IBM_TDB USPAT;	2003/03/31
_	104	image-sensor or imager or ccd)) and	US-PGPUB;	17:58
		memory) and transfer) and load	EPO; JPO;	
1			DERWENT;	
1			IBM_TDB	0000/00/00
-	57	((((conductance and (image adj sensor or	USPAT;	2003/03/31
		image-sensor or imager or ccd)) and	US-PGPUB; EPO; JPO;	17:59
1		memory) and transfer) and load) and gain	DERWENT;	
]			IBM TDB	
_	57	((((conductance and (image adj sensor or	USPAT;	2003/03/31
	"	image-sensor or imager or ccd)) and	US-PGPUB;	17:59
		memory) and transfer) and load) and gain	EPO; JPO;	
			DERWENT;	
		////condustance and /image add conser or	IBM_TDB USPAT;	2003/03/31
-	56	(((((conductance and (image adj sensor or image-sensor or imager or ccd)) and	US-PGPUB;	17:59
l .		memory) and transfer) and load) and gain)	EPO; JPO;	
		and amplif\$7	DERWENT;	
		_	IBM_TDB	
-	44	(((((conductance and (image adj sensor or	USPAT;	2003/03/31
		image-sensor or imager or ccd)) and	US-PGPUB;	18:20
1		memory) and transfer) and load) and gain)	EPO; JPO; DERWENT;	
		and (amplify or amplification or amplifying)	IBM TDB	
1_	4	amplifying)   (("5786588") or ("5955753")).PN.	USPAT;	2003/03/31
-		( 3,0000 ) 52 ( 3,00,00 ) /	US-PGPUB;	18:21
			EPO; JPO;	
			DERWENT;	
	1	1	IBM TDB	1

-	5	(US-5280511-\$ or US-5252868-\$ or US-4704635-\$ or US-5955753-\$ or	USPAT	2003/03/31 18:25
_	0	US-5786588-\$).did. ((US-5280511-\$ or US-5252868-\$ or US-4704635-\$ or US-5955753-\$ or	USPAT; US-PGPUB;	2003/03/31 18:22
		US-5786588-\$).did.) and gain with different	EPO; JPO; DERWENT; IBM TDB	
-	1	((US-5280511-\$ or US-5252868-\$ or US-4704635-\$ or US-5955753-\$ or US-5786588-\$).did.) and gain with differ\$4	USPĀT; US-PGPUB; EPO; JPO; DERWENT;	2003/03/31 18:22
_	3	((US-5280511-\$ or US-5252868-\$ or US-4704635-\$ or US-5955753-\$ or US-5786588-\$).did.) and gain	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/03/31 18:24
_	17	((conductance and (image adj sensor or image-sensor or imager or ccd)) and memory) and (noise with (reduction or ruduc\$4))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/03/31 19:11
_	11	<pre>(((conductance and (image adj sensor or image-sensor or imager or ccd)) and memory) and (noise with (reduction or ruduc\$4))) and gain</pre>	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/03/31 19:07
_	39935	(noise with (reduction or ruduc\$4))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/03/31 19:11
-	1190	(noise with (reduction or ruduc\$4)) with (gain or gains)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/03/31 19:12
-	361	((noise with (reduction or ruduc\$4)) with (gain or gains)) with amplifier		2003/03/31 19:16
-	23	<pre>(((noise with (reduction or ruduc\$4)) with (gain or gains)) with amplifier) with (different or difference)</pre>	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/03/31 19:13
-	3	((noise with (reduction or ruduc\$4)) with (gain or gains)) with mos	USPAT; US-PGPUB; EPO; JPO; DERWENT;	2003/03/31 19:16
-	2	("5955753").PN.	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2003/04/01 13:16
_	2	("5786588").PN.	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/04/01 13:16
-	400	memory with gain with (pixel or sensor)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/01 13:27

-	2	memory with gain with (pixel or sensor) with mos	USPAT; US-PGPUB;	2003/04/01 13:20
			EPO; JPO; DERWENT;	
			IBM_TDB	
-	2	memory with gain with (pixel or sensor or	USPAT;	2003/04/01
		light) with mos	US-PGPUB; EPO; JPO;	13:20
			DERWENT;	
			IBM_TDB	
-	20	memory with gain with (pixel or sensor)	USPAT;	2003/04/01
		with (vary or change or different)	US-PGPUB; EPO; JPO;	13:26
İ			DERWENT;	
			IBM_TDB	
-	116		USPAT;	2003/04/01
		and camera	US-PGPUB; EPO; JPO;	13:26
			DERWENT;	
			IBM_TDB	
-	12		USPAT; US-PGPUB;	2003/04/01
	]	with noise	EPO; JPO;	13.27
			DERWENT;	
			IBM_TDB	2002/04/03
-	3	("5698844"   "5717458"   "5861620").PN.	USPAT	2003/04/01
_	5	("5182623"   "5311320"   "5652622"	USPAT	2003/04/01
		"5693932"   "5737016").PN.		13:42
-	9	("4768084"   "5119202"   "5122881"	USPAT	2003/04/01
		"5144447"   "5187583"   "5335008"   "5420631"   "5453783"   "5539461").PN.		13:43
_	6		USPAT	2003/04/01
		"5424529"   "5488415"   "5587738").PN.		13:43
-	3	5861620.URPN.	USPAT	2003/04/01
	17	(US-5280511-\$ or US-5252868-\$ or	USPAT;	2003/04/01
-	'	US-4704635-\$ or US-5955753-\$ or	JPO;	13:44
		US-5786588-\$ or US-6493030-\$ or	DERWENT	
		US-6147338-\$ or US-5698844-\$ or US-5717458-\$ or US-5861620-\$ or		
		US-5737016-\$ or US-5693932-\$ or		
		US-5652622-\$ or US-5311320-\$ or		
		US-5182623-\$).did. or		
1		(JP-01039171-\$).did. or (JP-2000078473-\$).did.		
_	13	((US-5280511-\$ or US-5252868-\$ or	USPAT;	2003/04/01
		US-4704635-\$ or US-5955753-\$ or	US-PGPUB;	13:45
		US-5786588-\$ or US-6493030-\$ or	EPO; JPO; DERWENT;	
		US-5717458-\$ or US-5861620-\$ or	IBM_TDB	
		US-5737016-\$ or US-5693932-\$ or	_	
		US-5652622-\$ or US-5311320-\$ or		
		US-5182623-\$).did. or (JP-01039171-\$).did. or		
		(JP-2000078473-\$).did.) and gain		
-	13		USPAT;	2003/04/01
		US-4704635-\$ or US-5955753-\$ or US-5786588-\$ or US-6493030-\$ or	US-PGPUB; EPO; JPO;	13:49
1		US-6147338-\$ or US-5698844-\$ or	DERWENT;	
		US-5717458-\$ or US-5861620-\$ or	IBM_TDB	
		US-5737016-\$ or US-5693932-\$ or		
		US-5652622-\$ or US-5311320-\$ or US-5182623-\$).did. or		
		(JP-01039171-\$).did. or		
		(JP-2000078473-\$).did.) and gain	<u> </u>	

			· · · · · · · · · · · · · · · · · · ·	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
-	7	(((US-5280511-\$ or US-5252868-\$ or	USPAT;	2003/04/01
		US-4704635-\$ or US-5955753-\$ or	US-PGPUB;	13:52
		US-5786588-\$ or US-6493030-\$ or	EPO; JPO;	
		US-6147338-\$ or US-5698844-\$ or	DERWENT;	!
		US-5717458-\$ or US-5861620-\$ or	IBM_TDB	
		US-5737016-\$ or US-5693932-\$ or		
		US-5652622-\$ or US-5311320-\$ or		
		US-5182623-\$).did. or		
		(JP-01039171-\$).did. or		
		(JP-2000078473-\$).did.) and gain) and		
		length		
_	6	((((US-5280511-\$ or US-5252868-\$ or	USPAT;	2003/04/01
		US-4704635-\$ or US-5955753-\$ or	US-PGPUB;	13:50
		US-5786588-\$ or US-6493030-\$ or	EPO; JPO;	
		US-6147338-\$ or US-5698844-\$ or	DERWENT;	
		US-5717458-\$ or US-5861620-\$ or	IBM TDB	
İ		US-5737016-\$ or US-5693932-\$ or	_	
		US-5652622-\$ or US-5311320-\$ or		
		US-5182623-\$).did. or		
		(JP-01039171-\$).did. or		
1		(JP-2000078473-\$).did.) and gain) and		
		length) and memory		
1_	1	((((US-5280511-\$ or US-5252868-\$ or	USPAT;	2003/04/01
-		US-4704635-\$ or US-5955753-\$ or	US-PGPUB;	13:50
		US-5786588-\$ or US-6493030-\$ or	EPO; JPO;	1
		US-6147338-\$ or US-5698844-\$ or	DERWENT;	
		US-5717458-\$ or US-5861620-\$ or	IBM TDB	
		US-5737016-\$ or US-5693932-\$ or	1011_100	
			İ	
		US-5652622-\$ or US-5311320-\$ or		
		US-5182623-\$).did. or		
	1	(JP-01039171-\$).did. or		
		(JP-2000078473-\$).did.) and gain) and		
	_	length) and (memory with gain)	HCDAT.	2003/04/01
-	7	((((US-5280511-\$ or US-5252868-\$ or	USPAT;	13:53
1		US-4704635-\$ or US-5955753-\$ or	US-PGPUB;	13:53
		US-5786588-\$ or US-6493030-\$ or	EPO; JPO;	
1		US-6147338-\$ or US-5698844-\$ or	DERWENT;	
		US-5717458-\$ or US-5861620-\$ or	IBM_TDB	
		US-5737016-\$ or US-5693932-\$ or		
		US-5652622-\$ or US-5311320-\$ or		
		US-5182623-\$).did. or		
		(JP-01039171-\$).did. or		
		(JP-2000078473-\$).did.) and gain) and		
		length) and ((memory or storage) and		
		pixel)		0000/04/03
-	7		USPAT;	2003/04/01
		US-4704635-\$ or US-5955753-\$ or	US-PGPUB;	13:53
		US-5786588-\$ or US-6493030-\$ or	EPO; JPO;	
		US-6147338-\$ or US-5698844-\$ or	DERWENT;	
1		US-5717458-\$ or US-5861620-\$ or	IBM_TDB	1
		US-5737016-\$ or US-5693932-\$ or	-	1
		US-5652622-\$ or US-5311320-\$ or	1	
		US-5182623-\$).did. or	1	
		(JP-01039171-\$).did. or		1
		(JP-2000078473-\$).did.) and gain) and		
		length) and ((memory or storage) and		1
		pixel)) and gain		
_	4		USPAT;	2003/04/01
	1	US-4704635-\$ or US-5955753-\$ or	US-PGPUB;	14:06
		US-5786588-\$ or US-6493030-\$ or	EPO; JPO;	1
		US-6147338-\$ or US-5698844-\$ or	DERWENT;	
1		US-5717458-\$ or US-5861620-\$ or	IBM TDB	
		US-5737016-\$ or US-5693932-\$ or		
1		US-5652622-\$ or US-5311320-\$ or		
1		US-5182623-\$).did. or		
		(JP-01039171-\$).did. or	1	
1		(JP-2000078473-\$).did.) and gain) and		
1		length) and ((memory or storage) and	1	
		pixel)) and gain) and mos		
	1	practit and garni and mos	<u> </u>	

- 676 MOS and Conductance and Length and width USPAT; 2003, us-pgpuB; 14:09 EPO; JPO; DERWENT;	/04/01 9
EPO; JPO;	9
DERWENT;	
I I I I I I I I I I I I I I I I I I I	
IBM_TDB USPAT; 2003	/04/01
1.0 1.00	
width and gain US-PGPUB; 14:0° EPO; JPO;	′
DERWENT;	
IBM TDB	
	/04/01
width and gain US-PGPUB; 14:0"	7
EPO; JPO;	
DERWENT;	
IBM_TDB	
	/04/01
width and gain   US-PGPUB;   14:08	В
EPO; JPO;	
DERWENT;	
IBM_TDB   2 MOS with Conductance with Length with USPAT; 2003,	/04/01
width with gain US-PGPUB;   14:08	-
DERWENT;	
IBM TDB	
	/04/01
and gain and oxide US-PGPUB; 14:09	9
EPO; JPO;	
DERWENT;	
IBM_TDB	10.1.10-
	/04/01
width and gain and oxide) and (gain with US-PGPUB; 14:2	<i>'</i>
MOS ) EPO; JPO;	
DERWENT;   IBM TDB	
	/04/01
length with width US-PGPUB; 14:23	
EPO; JPO;	
DERWENT;	
IBM_TDB	
	/04/01
equation) US-PGPUB;   14:4'	7
EPO; JPO;	
DERWENT;	
IBM_TDB	/04/01
- 25549 mos .ti. USPĀT; 2003 US-PGPUB; 14:4	
EPO; JPO;	•
DERWENT;	
IBM TDB	
	/04/01
width and length and gain US-PGPUB; 14:4	8
EPO; JPO;	
DERWENT;	
IBM_TDB	10.4.10.3
10 (mos :ci:/ and ontas with the control of the con	/04/01
width and length and gain US-PGPUB; 14:4	0
EPO; JPO; DERWENT;	
DERWENT;   IBM TDB	
	/04/01
width with length with gain US-PGPUB; 14:4	
EPO; JPO;	
DERWENT;	
IBM_TDB	
8 (mos .ti.) and oxide with thickness with USPAT; 2003	/04/01
width with length and gain   US-PGPUB;   14:5	5
EPO; JPO;	
DERWENT;	
IBM TDB	

727	load adj mos	USPAT; US-PGPUB;	2003/04/01 14:55
		DERWENT; IBM TDB	
8	load adj mos with amplifying adj mos	USPAT; US-PGPUB;	2003/04/01 14:58
		DERWENT; IBM_TDB	
1	load adj mos with amplifying adj mos with gain	USPAT; US-PGPUB; EPO: JPO:	2003/04/01 14:56
:		DERWENT; IBM_TDB	2002/04/01
5	load adj mos with amplifying adj mos and gain	USPAT; US-PGPUB; EPO; JPO;	2003/04/01 15:10
0180	Mos with amplifier	DERWENT; IBM_TDB	2003/04/01
9109	MOS WICH AMPILITEE	US-PGPUB; EPO; JPO;	15:11
2188	(MOS with amplifier) and load with	IBM_TDB USPAT;	2003/04/01
	amplifier	US-PGPUB; EPO; JPO; DERWENT:	15:10
52	MOS with amplifier with load with gain	IBM_TDB USPAT;	2003/04/01 15:30
		EPO; JPO; DERWENT;	13.30
233	(memory or storage) with pixel with gain	IBM_TDB   USPAT;   US-PGPUB;	2003/04/01 15:39
		EPO; JPO; DERWENT; IBM TDB	
3	(memory or storage) with pixel with gain with mos	USPĀT; US-PGPUB;	2003/04/01 15:32
		DERWENT; IBM TDB	
33	(memory or storage) with pixel with gain with (different or high\$2 or low\$2)	USPAT; US-PGPUB; EPO; JPO;	2003/04/01 15:33
F 2	(/mamany an atomaga) with nivel with	DERWENT; IBM_TDB	2003/04/01
52	gain) and image adj sensor	US-PGPUB; EPO; JPO;	15:40
20		IBM_TDB USPAT;	2003/04/01
	gain) and image adj sensor) and load	US-PGPUB; EPO; JPO; DERWENT;	15:40
1094	storage with transfer with sensor	IBM_TDB USPAT;	2003/04/02
		EPO; JPO; DERWENT;	10.01
26	(storage with transfer with sensor) and storage with gain	USPĀT; US-PGPUB;	2003/04/01 15:53
		EPO; JPO; DERWENT; IBM TDB	
	8 1 5 9189 2188 52 233 3 33 1094	load adj mos with amplifying adj mos with gain  load adj mos with amplifying adj mos with gain  load adj mos with amplifying adj mos and gain  Mos with amplifier  Mos with amplifier and load with amplifier  Mos with amplifier with load with gain  (memory or storage) with pixel with gain with mos  (memory or storage) with pixel with gain with (different or high\$2 or low\$2)  ((memory or storage) with pixel with gain and image adj sensor  (((memory or storage) with pixel with gain) and image adj sensor) and load  storage with transfer with sensor) and	US-PGPUB; EPO, JPODERWENT; IBM TDB USPAT; US-PGPUB; EPO, JPODERWENT; IBM

Page 7

-	21	((storage with transfer with sensor) and	USPAT;	2003/04/01
		storage with gain ) and sensor with gain	US-PGPUB; EPO; JPO;	15:53
]			DERWENT;	
			IBM TDB	
-	9	storage with transfer with sensor with	USPĀT;	2003/04/01
		gain	US-PGPUB;	16:09
			EPO; JPO; DERWENT;	
			IBM TDB	
_	117	(gain with different with amplifiers) and	USPĀT;	2003/04/01
		((pixels or sensor) and (memory or	US-PGPUB;	16:13
		storage))	EPO; JPO;	
			DERWENT; IBM TDB	
_	45	((gain with different with amplifiers)	USPAT;	2003/04/01
_	43	and ((pixels or sensor) and (memory or	US-PGPUB;	16:12
		storage))) and transistor	EPO; JPO;	
		-	DERWENT;	
	_	///mainth differentth _mmlificus\	IBM_TDB USPAT;	2003/04/01
-	6	(((gain with different with amplifiers) and ((pixels or sensor) and (memory or	USPAT; US-PGPUB;	16:12
		storage))) and transistor) and MOS	EPO; JPO;	
		-9-,,,	DERWENT;	
			IBM_TDB	0003/04/01
-	66	((gain with different with amplifiers)	USPAT; US-PGPUB;	2003/04/01 16:13
		and ((pixels or sensor) and (memory or storage))) and gain near4 different	EPO; JPO;	10.10
		Stolage,     and gain hear arrections	DERWENT;	
			IBM_TDB	
-	52	((gain with different with amplifiers)	USPAT;	2003/04/01
		and ((pixels or sensor) and (memory or	US-PGPUB; EPO; JPO;	16:13
	ŀ	storage))) and gain near3 different	DERWENT;	
			IBM_TDB	
-	55	((gain with different with amplifiers)	USPĀT;	2003/04/01
		and ((pixels or sensor) and (memory or	US-PGPUB;	16:14
		storage))) and gain near3 different	EPO; JPO; DERWENT;	]
			IBM TDB	
-	49		USPAT;	2003/04/01
		and ((pixels or sensor) and (memory or	US-PGPUB;	16:19
		storage))) and gain near2 different	EPO; JPO;	
	]		DERWENT; IBM TDB	
_	24	(storage with transfer with sensor) and	USPAT;	2003/04/01
	23	((gain or amplif\$6) near3 (different or	US-PGPUB;	16:21
		very or vary))	EPO; JPO;	
			DERWENT;	
		memory adj cell with sensor adj cell	IBM_TDB USPAT;	2003/04/01
-	·	memory adj ceri with sensor adj ceri	US-PGPUB;	17:21
			EPO; JPO;	
1	1		DERWENT;	
		www	IBM_TDB USPAT;	2003/04/01
-	79	memory adj (cell or unit) with sensor adj (cell or unit)	US-PGPUB;	17:22
		/cerr or mire/	EPO; JPO;	
	[		DERWENT;	
	1		IBM_TDB	2002/04/01
-	2	memory adj (cell or unit) with sensor adj	USPAT; US-PGPUB;	2003/04/01 17:25
	[	(cell or unit) with (gain or amplif\$7)	EPO; JPO;	17.29
			DERWENT;	
			IBM_TDB	
-	1685	memory with sensor with (gain or	USPAT;	2003/04/01
		amplif\$7)	US-PGPUB; EPO; JPO;	17:25
			DERWENT;	
			IBM TDB	
	<u> </u>	<u> </u>		

-	8325	(storage or memory) with transfer with (sensor or pixel or reading)	USPAT; US-PGPUB; EPO; JPO; DERWENT;	2003/04/02
-	179	((storage or memory) with transfer with (sensor or pixel or reading)) and (((gain or amplification or amplified) with (sensor or pixel or reading)) and ((gain or amplification or amplified) with	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/02
-	78	(storage or memory))) (((storage or memory) with transfer with (sensor or pixel or reading)) and (((gain or amplification or amplified) with (sensor or pixel or reading)) and ((gain or amplification or amplified) with	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/02 10:40
-	24	(storage or memory)))) and MOS (US-5698844-\$ or US-5280511-\$ or US-5252868-\$ or US-4704635-\$ or US-5955753-\$ or US-5786588-\$ or US-6493030-\$ or US-6147338-\$ or US-5861620-\$ or US-5717458-\$ or US-5737016-\$ or US-5693932-\$ or US-5652622-\$ or US-5311320-\$ or US-5182623-\$ or US-5335008-\$ or US-6163215-\$ or US-6061093-\$ or US-6127892-\$ or US-3958187-\$ or US-5917343-\$ or US-6512544-\$).did. or (JP-01039171-\$).did. or (JP-2000078473-\$).did.	USPAT; JPO; DERWENT	2003/04/02 12:41
_	20	((US-5698844-\$ or US-5280511-\$ or US-5252868-\$ or US-4704635-\$ or US-5955753-\$ or US-5786588-\$ or US-6493030-\$ or US-6147338-\$ or US-5861620-\$ or US-5717458-\$ or US-5737016-\$ or US-5693932-\$ or US-5652622-\$ or US-5311320-\$ or US-5182623-\$ or US-5335008-\$ or US-6163215-\$ or US-6061093-\$ or US-6127892-\$ or US-6061093-\$ or US-6127892-\$ or US-6512544-\$).did. or (JP-01039171-\$).did. or (JP-2000078473-\$).did.) and MOS	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/02 12:33
	15	(((US-5698844-\$ or US-5280511-\$ or US-5252868-\$ or US-4704635-\$ or US-5955753-\$ or US-5786588-\$ or US-6493030-\$ or US-6147338-\$ or US-5861620-\$ or US-5717458-\$ or US-5737016-\$ or US-5693932-\$ or US-5652622-\$ or US-5311320-\$ or US-5182623-\$ or US-5335008-\$ or US-6163215-\$ or US-6061093-\$ or US-6127892-\$ or US-6512544-\$).did. or (JP-01039171-\$).did. or (JP-2000078473-\$).did.) and MOS ) and pixel	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/02 12:33
	11	1.*	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/02 12:37

	U: U: U: U: U: U: U: U: U: U: ( (	(((US-5698844-\$ or US-5280511-\$ or S-5252868-\$ or US-4704635-\$ or S-5955753-\$ or US-5786588-\$ or S-6493030-\$ or US-6147338-\$ or S-5861620-\$ or US-5717458-\$ or S-5737016-\$ or US-5693932-\$ or S-5652622-\$ or US-5311320-\$ or S-5182623-\$ or US-5335008-\$ or S-6163215-\$ or US-6061093-\$ or S-6127892-\$ or US-3958187-\$ or S-5917343-\$ or US-6512544-\$).did. or JP-01039171-\$).did. or JP-2000078473-\$).did.) and MOS ) and	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/02
-	5 (UUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUU	ixel) and oxide ((((US-5698844-\$ or US-5280511-\$ or S-5252868-\$ or US-4704635-\$ or S-5955753-\$ or US-5786588-\$ or S-6493030-\$ or US-6147338-\$ or S-5861620-\$ or US-5717458-\$ or S-5737016-\$ or US-5693932-\$ or S-5652622-\$ or US-5311320-\$ or S-5182623-\$ or US-5335008-\$ or S-6163215-\$ or US-6061093-\$ or S-6127892-\$ or US-3958187-\$ or S-5917343-\$ or US-6512544-\$).did. or JP-01039171-\$).did. or JP-01039171-\$).did. or JP-2000078473-\$).did.) and MOS ) and ixel) and oxide) and length and width	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/02 12:38
	5 ( U U U U U U U U U U U U U	(((((US-5698844-\$ or US-5280511-\$ or S-5252868-\$ or US-4704635-\$ or S-5955753-\$ or US-5786588-\$ or S-6493030-\$ or US-6147338-\$ or S-5861620-\$ or US-5717458-\$ or S-5737016-\$ or US-5693932-\$ or S-5652622-\$ or US-5311320-\$ or S-5182623-\$ or US-5335008-\$ or S-6163215-\$ or US-601093-\$ or S-6127892-\$ or US-3958187-\$ or S-5917343-\$ or US-6512544-\$).did. or JP-01039171-\$).did. or JP-2000078473-\$).did.) and MOS ) and ixel) and oxide) and length and width)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/04/02 12:43
-	9 ( 0 0 0 0 0 0 0 0 0	nd load (US-5698844-\$ or US-5280511-\$ or S-5252868-\$ or US-4704635-\$ or S-5955753-\$ or US-5786588-\$ or S-6493030-\$ or US-6147338-\$ or S-5861620-\$ or US-5717458-\$ or S-5737016-\$ or US-5693932-\$ or S-5652622-\$ or US-5311320-\$ or S-5182623-\$ or US-5335008-\$ or S-6163215-\$ or US-6061093-\$ or S-6127892-\$ or US-3958187-\$ or S-5917343-\$ or US-6512544-\$).did. or JP-01039171-\$).did. or JP-2000078473-\$).did.) and conductance	USPAT; JPO; DERWENT	2003/04/02 12:42
	9 ( 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	((US-5698844-\$ or US-5280511-\$ or US-5252868-\$ or US-4704635-\$ or US-5786588-\$ or US-64704635-\$ or US-6493030-\$ or US-6147338-\$ or US-5861620-\$ or US-5717458-\$ or US-5737016-\$ or US-5693932-\$ or US-5652622-\$ or US-5311320-\$ or US-5182623-\$ or US-5335008-\$ or US-6163215-\$ or US-6061093-\$ or US-6127892-\$ or US-3958187-\$ or US-5917343-\$ or US-6512544-\$).did. or JP-01039171-\$).did. or JP-2000078473-\$).did.) and conductance) and gain	USPAT; JPO; DERWENT	2003/04/02 12:42

-	7	((((US-5698844-\$ or US-5280511-\$ or	USPAT;	2003/04/02
		US-5252868-\$ or US-4704635-\$ or	US-PGPUB;	13:09
		US-5955753-\$ or US-5786588-\$ or	EPO; JPO;	
		US-6493030-\$ or US-6147338-\$ or	DERWENT;	
		US-5861620-\$ or US-5717458-\$ or	IBM_TDB	
		US-5737016-\$ or US-5693932-\$ or		1
		US-5652622-\$ or US-5311320-\$ or		
		US-5182623-\$ or US-5335008-\$ or		
1		US-6163215-\$ or US-6061093-\$ or		
		US-6127892-\$ or US-3958187-\$ or		
		US-5917343-\$ or US-6512544-\$).did. or		
		(JP-01039171-\$).did. or		1
		(JP-2000078473-\$).did.) and conductance)		
		and gain) and length and width		
-	2	(250/214).CCLS.	USPAT;	2003/04/02
			US-PGPUB;	13:36
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	1812	(250/208.1).CCLS.	USPAT;	2003/04/02
			US-PGPUB;	13:10
			EPO; JPO;	1
[			DERWENT;	1
1			IBM_TDB	<u> </u>
-	336	(348/308).CCLS.	USPAT;	2003/04/02
			US-PGPUB;	13:11
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
_	124	((348/308).CCLS.) and gain	USPAT;	2003/04/02
			US-PGPUB;	13:12
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
_	105	(((348/308).CCLS.) and gain) and	USPAT;	2003/04/02
		amplifier	US-PGPUB;	13:13
		•	EPO; JPO;	
			DERWENT;	
			IBM_TDB	
_	48	((((348/308).CCLS.) and gain) and	USPĀT;	2003/04/02
		amplifier) and memory	US-PGPUB;	13:13
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	2124	(250/214 R).CCLS.	USPAT;	2003/04/02
			US-PGPUB;	13:36
			EPO; JPO;	
			DERWENT;	
	]		IBM_TDB	1
] -	4	("4704738"   "5896063"   "5949285"	USPAT	2003/04/02
		"5999049").PN.		15:21
-	1	hannett .xa.	USPAT;	2003/04/02
1	1		US-PGPUB;	18:07
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	24	1 ,	USPAT;	2003/10/29
I		US-5861620-\$ or US-5311320-\$ or	JPO;	16:38
		US-5693932-\$ or US-5737016-\$ or	DERWENT	
1		US-5652622-\$ or US-5335008-\$ or		
		US-5182623-\$ or US-6163215-\$ or		
		US-6061093-\$ or US-3958187-\$ or	1	
1		US-6127892-\$ or US-5917343-\$ or		
		US-6512544-\$ or US-5698844-\$ or		
		US-5280511-\$ or US-5252868-\$ or		
		US-4704635-\$ or US-5786588-\$ or		
		US-6493030-\$ or US-5955753-\$).did. or		
1	1	(JP-01039171-\$).did. or		1
	i	(JP-2000078473-\$).did.		

				1 0000 (10 (00
-	20	((US-6147338-\$ or US-5717458-\$ or	USPAT;	2003/10/29
		US-5861620-\$ or US-5311320-\$ or	US-PGPUB;	16:38
		US-5693932-\$ or US-5737016-\$ or	EPO; JPO;	i
		US-5652622-\$ or US-5335008-\$ or	DERWENT;	
		US-5182623-\$ or US-6163215-\$ or	IBM_TDB	
		US-6061093-\$ or US-3958187-\$ or		
		US-6127892-\$ or US-5917343-\$ or		
		US-6512544-\$ or US-5698844-\$ or	j	
		US-5280511-\$ or US-5252868-\$ or		
		US-4704635-\$ or US-5786588-\$ or		ļ
		US-6493030-\$ or US-5955753-\$).did. or		
		(JP-01039171-\$).did. or		1
		(JP-2000078473-\$).did.) and gain\$2		
_	4	((US-6147338-\$ or US-5717458-\$ or	USPAT;	2003/10/29
		US-5861620-\$ or US-5311320-\$ or	US-PGPUB;	16:38
		US-5693932-\$ or US-5737016-\$ or	EPO; JPO;	
		US-5652622-\$ or US-5335008-\$ or	DERWENT;	
		US-5182623-\$ or US-6163215-\$ or	IBM TDB	
		US-6061093-\$ or US-3958187-\$ or	15155	
		US-6127892-\$ or US-5917343-\$ or		
		US-6512544-\$ or US-5698844-\$ or		
		US-6512544-\$ or US-5698844-\$ or US-5280511-\$ or US-5252868-\$ or		
		US-4704635-\$ or US-5786588-\$ or		
		US-6493030-\$ or US-5955753-\$).did. or		
		(JP-01039171-\$).did. or		Į į
		(JP-2000078473-\$).did.) and gain\$2 with		
	1	different	, van a	2002/10/20
-	3	("5698844"   "5717458"   "5861620").PN.	USPAT	2003/10/29
				17:06
<del>-</del>	6		USPAT	2003/10/29
	!	"5424529"   "5488415"   "5587738").PN.		17:07
-	9	5698844.URPN.	USPAT	2003/10/29
	į.			17:10
l <b>-</b>	3	("5698844"   "5717458"   "5861620").PN.	USPAT	2003/10/29
	_	,		17:11
_	] 3	6147338.URPN.	USPAT	2003/10/29
		011,000,000		17:11
1_	3	("5717458"   "5861620"   "6147338").PN.	USPAT	2003/10/29
		( 3/1/100   3001010   311/315 / 115/		17:12
1_	1	6486912.URPN.	USPAT	2003/10/29
-	1	0400312.0MM.		17:13
	166	pixel with memory with gain\$2	USPAT;	2003/10/29
-	100	pixel with memory with gaintz	US-PGPUB;	17:14
			EPO; JPO;	
			DERWENT;	
1			IBM TDB	
1	_	winel with moment with waints with	USPAT;	2003/10/29
-	5	pixel with memory with gain\$2 with		17:15
1		different	US-PGPUB;	1 / 1 . 1 .
1			EPO; JPO;	
1	1		DERWENT;	
		1	IBM_TDB	1 2003 /10 /20
-	166	pixel with memory with gain\$2	USPAT;	2003/10/29
			US-PGPUB;	17:15
1			EPO; JPO;	
	1		DERWENT;	
1			IBM_TDB	
-	5	'E = -:	USPAT;	2003/10/29
1		transfer	US-PGPUB;	17:15
I			EPO; JPO;	
I			DERWENT;	ļ
			IBM_TDB	<u> </u>
-	60	(pixel with memory with gain\$2) and	USPAT;	2003/10/29
		transfer	US-PGPUB;	17:18
1			EPO; JPO;	
			DERWENT;	
			IBM TDB	1
_	2903	pixel\$2 with amplifier	USPAT;	2003/10/29
	2903		US-PGPUB;	17:19
1			EPO; JPO;	
			DERWENT;	
1			IBM TDB	
	<u></u>	<u> </u>	11011 11011	

-	3267	pixel\$2 with amplifier\$2	USPAT; US-PGPUB;	2003/10/29 17:19
			EPO; JPO; DERWENT;	
			IBM TDB	
-	1673	(pixel\$2 with amplifier\$2) and memory	USPAT;	2003/10/29
			US-PGPUB; EPO; JPO;	17:19
			DERWENT;	
	369	(pixel\$2 with amplifier\$2) and memory	IBM_TDB USPAT;	2003/10/29
_	309	with amplifier	US-PGPUB;	17:20
			EPO; JPO; DERWENT;	
			IBM TDB	
_	121	((pixel\$2 with amplifier\$2) and memory	USPAT;	2003/10/29
		with amplifier) and gain\$2	US-PGPUB; EPO; JPO;	17:20
			DERWENT;	
	100	(((pixel\$2 with amplifier\$2) and memory	IBM_TDB USPAT;	2003/10/29
_	100	with amplifier) and gain\$2) and pixels	US-PGPUB;	17:21
			EPO; JPO;	
			DERWENT; IBM_TDB	
_	72	((((pixel\$2 with amplifier\$2) and memory	USPAT;	2003/10/29
		<pre>with amplifier) and gain\$2) and pixels) and transfer\$4</pre>	US-PGPUB; EPO; JPO;	17:22
		and cranorory.	DERWENT;	
	24	(((((pixel\$2 with amplifier\$2) and memory	IBM_TDB USPAT;	2003/10/29
_	24	with amplifier) and gain\$2) and pixels)	US-PGPUB;	17:31
		and transfer\$4) and MOS	EPO; JPO; DERWENT;	
			IBM TDB	:
-	3541	second adj gain	USPĀT;	2003/10/29 17:37
			US-PGPUB; EPO; JPO;	17:37
			DERWENT;	
_	172	(second adj gain) and pixel\$2	IBM_TDB USPAT;	2003/10/29
		(social day galan, same passage	US-PGPUB;	17:32
			EPO; JPO; DERWENT;	
			IBM_TDB	
-	110	((second adj gain) and pixel\$2) and memory	USPAT; US-PGPUB;	2003/10/29 17:32
		Includity	EPO; JPO;	
			DERWENT; IBM TDB	
_	51		USPAT;	2003/10/29
1		memory) and transfer\$5	US-PGPUB; EPO; JPO;	17:32
			DERWENT;	
			IBM_TDB	2002/10/20
-	16701	second adj amplif\$4	USPAT; US-PGPUB;	2003/10/29 17:38
			EPO; JPO;	
			DERWENT; IBM TDB	
-	11222	(second adj amplif\$4) and first adj	USPAT;	2003/10/29
		amplif\$4	US-PGPUB; EPO; JPO;	17:38
			DERWENT;	
	61.67	(/gogond add amplifeA) and first add	IBM_TDB USPAT;	2003/10/29
-	6167	((second adj amplif\$4) and first adj amplif\$4) and gain	US-PGPUB;	17:38
		, - · · · · · · · · · · · · · · · · · ·	EPO; JPO;	
			DERWENT; IBM TDB	
	1	<u></u>	<del></del>	·

-	110	<pre>(((second adj amplif\$4) and first adj amplif\$4) and gain) and pixels</pre>	USPAT; US-PGPUB;	2003/10/29 17:38
		amplify4) and gain; and pixels	EPO; JPO;	17.30
			DERWENT;	
			IBM_TDB	
-	48		USPĀT;	2003/10/29
		amplif\$4) and gain) and pixels ) and	US-PGPUB;	17:47
		memory	EPO; JPO; DERWENT;	
			IBM TDB	
_	49	((((second adj amplif\$4) and first adj	USPAT;	2003/10/29
		amplif\$4) and gain) and pixels ) and	US-PGPUB;	17:45
		storage	EPO; JPO;	
			DERWENT;	
	1.0	////regard add amplife() and first add	IBM_TDB USPAT;	2003/10/29
-	18	<pre>(((((second adj amplif\$4) and first adj amplif\$4) and gain) and pixels ) and</pre>	US-PGPUB;	17:45
		storage) not ((((second adj amplif\$4)	EPO; JPO;	
1	1	and first adj amplif\$4) and gain) and	DERWENT;	
		pixels ) and memory)	IBM_TDB	/
-	16233	(storage with amplif\$4)	USPAT;	2003/10/29
			US-PGPUB; EPO; JPO;	17:47
			DERWENT;	
			IBM TDB	
_	313	((storage with amplif\$4) ) and (pixel	USPĀT;	2003/10/29
		with amplif\$5)	US-PGPUB;	17:48
			EPO; JPO;	
			DERWENT; IBM TDB	
_	201	(((storage with amplif\$4) ) and (pixel	USPAT;	2003/10/29
-	201	with amplif\$5)) and noise	US-PGPUB;	17:48
		The sample of the same state o	EPO; JPO;	
ļ			DERWENT;	
		2/64/1 / 2/64/1	IBM_TDB	2003/10/29
-	49	<pre>(((storage with amplif\$4) ) and (pixel with amplif\$5)) and noise with gain\$2</pre>	USPAT; US-PGPUB;	17:55
		With ampliliss)) and noise with gainv2	EPO; JPO;	17.33
			DERWENT;	
			IBM_TDB	
-	10864	(read adj out or read-out or readout)	USPAT;	2003/10/29
		with amplifier	US-PGPUB; EPO; JPO;	17:56
			DERWENT;	
			IBM TDB	
-	717	(read adj out or read-out or readout) adj	USPAT;	2003/10/29
		amplifier	US-PGPUB;	17:56
	1		EPO; JPO; DERWENT;	
	[		IBM TDB	
_	380	((read adj out or read-out or readout)	USPAT;	2003/10/29
1		adj amplifier) and memory	US-PGPUB;	17:57
			EPO; JPO;	
			DERWENT;	
	4	((read adj out or read-out or readout)	IBM_TDB USPAT;	2003/10/29
-	4	adj amplifier) and memory adj amplifier	US-PGPUB;	17:57
	1	and ambarrage, and moment and ambarrage	EPO; JPO;	
	1		DERWENT;	
			IBM_TDB	2003/10/20
-	2		USPAT; US-PGPUB;	2003/10/29
		adj amplifier) and storage adj amplifier	EPO; JPO;	- /
			DERWENT;	
			IBM_TDB	
-	84		USPAT;	2003/10/29
		adj amplifier) and memory) and gain\$2	US-PGPUB; EPO; JPO;	17:58
			DERWENT;	
1			IBM TDB	
		<u> </u>		

_	45	((((read adj out or read-out or readout)	USPAT;	2003/10/29
		adj amplifier) and memory) and gain\$2)	US-PGPUB;	18:02
		and pixels	EPO; JPO;	
			DERWENT;	
			IBM_TDB	l i
-	104	noise with amplif\$4 with pixels	USPAT;	2003/10/29
		-	US-PGPUB;	18:03
			EPO; JPO;	
			DERWENT;	
	Į.		IBM_TDB	
-	7	(noise with amplif\$4 with pixels) and	USPAT;	2003/10/29
		(decrease or reduce) with gain	US-PGPUB;	18:03
			EPO; JPO;	
1			DERWENT;	!
			IBM TDB	